|   | Index of Claims |          |          |                  |                |          |          |                         |            |          |           |                 |            | Application No. |           |           |                 |           |          |            |              |                   | Applicant(s) |           |              |           |         |          |  |   |  |  |
|---|-----------------|----------|----------|------------------|----------------|----------|----------|-------------------------|------------|----------|-----------|-----------------|------------|-----------------|-----------|-----------|-----------------|-----------|----------|------------|--------------|-------------------|--------------|-----------|--------------|-----------|---------|----------|--|---|--|--|
|   |                 |          |          |                  |                |          |          |                         |            |          |           | 1               | 10/602,351 |                 |           |           |                 |           |          |            |              | KATO, YOSHIFUMI   |              |           |              |           |         |          |  |   |  |  |
|   |                 |          |          |                  |                |          |          |                         |            |          |           |                 | Examiner   |                 |           |           |                 |           |          |            |              | Art Unit          |              |           |              |           |         |          |  |   |  |  |
| THE HALL WHILE BOLLD BOLLD BOLLD WHEN BUILD BOLLD B |                 |          |          |                  |                |          |          |                         |            |          |           |                 | A          | Anthony T Perry |           |           |                 |           |          |            | .            | 28                | 79           |           |              |           |         |          |  |   |  |  |
|   |                 |          |          |                  |                |          |          |                         |            |          |           |                 |            |                 |           |           |                 |           |          |            |              |                   |              |           |              |           | 1       |          |  |   |  |  |
|   | √ Rejected      |          |          |                  |                | d        |          | (Through nume Cancelled |            |          | ral)      | al)             |            |                 | Non-      | Elec      | ted             |           | A        | Appeal     |              |                   |              |           |              |           |         |          |  |   |  |  |
|   | = Allowe        |          |          |                  | wec            | ,        |          | +                       | Restricted |          |           |                 | Ì          | 1 Interfe       |           | fere      | nce             |           | 0        | Objected   |              |                   |              |           |              |           |         |          |  |   |  |  |
|   | p               |          |          |                  |                |          |          | Ц                       |            |          |           |                 |            |                 |           |           |                 |           |          |            | Ц            | <u> </u>          |              |           |              |           |         | _        |  |   |  |  |
|   | Claim           |          |          | Dat              |                |          | te I     |                         | -          | Claim    |           |                 | _          | Dat<br>I I      |           |           |                 | 4         | Claim    |            | $\vdash$     | Da                |              |           | te           |           |         | ┨        |  |   |  |  |
| •   | Final           | Original | 12/9/04  | 7/14/05          |                |          |          |                         |            | Final    | Original  |                 |            |                 |           |           |                 |           | Final    | Original   |              |                   | :            |           |              |           |         |          |  |   |  |  |
|   |                 | 1        | 1        | 1                |                |          |          |                         | _          |          | 51        |                 | 士          | 団               | ⇉         | 1         | 廿               |           |          | 101        | П            | 1                 | 上            |           |              | $\dashv$  |         | 1        |  |   |  |  |
|   |                 | 3        | 1        | <del>/ -</del>   | H              | +        | $\vdash$ | $\vdash$                | _          | <u> </u> | 52<br>53  |                 | ╁          | $\vdash$        | +         | +         | +               | -         |          | 102<br>103 | $\vdash$     | -                 | +            | Н         | -            | $\dashv$  | +       | -        |  |   |  |  |
|   |                 | 4        | Ť        | <del>)</del>     | $\forall$      | +        | H        | H                       | $\dashv$   | -        | 54        | +               | +          | ╁┤              | +         | +         | +               | _         |          | 104        |              |                   |              |           |              |           |         | <u> </u> |  |   |  |  |
|   | ===             | · 5-     | 1        |                  |                |          |          | 耳                       | ∃-         |          | 55        | 1               | 厂          | П               | 7         | #         | $\Box$          | 7         |          | 105        | П            | $\blacksquare$    | 1            | П         |              | $\Box$    | $\top$  | ]        |  |   |  |  |
|   |                 | <u>6</u> | 7        |                  | $\vdash$       | +        | ╀        | $\vdash$                | 4          | -        | 56<br>57  | +               | ╀          | Н               | $\dashv$  | +         | +               | -         | -        | 106<br>107 | $\vdash$     | $\dashv$          | +            | Н         | Н            | $\dashv$  | +       | ┨        |  |   |  |  |
|   |                 | 8        |          | 力                | $\vdash$       | $^{+}$   | 1        |                         | _          |          | 58        | 十               | 十          |                 | $\exists$ | 士         | $\Box$          | ╛         |          | 108        |              |                   |              |           |              |           | 上       | j        |  |   |  |  |
|   |                 | 9        | 1        | 7                | П              |          |          |                         | 7          |          | 59        |                 | $\bot$     |                 | _         | 1         | $\Box$          | 4         |          | 109        | $\sqcup$     | _                 |              | Ш         | Н            | 4         | +       | 4        |  |   |  |  |
|   |                 | 10<br>11 | 7        | <del>/</del>  -  | $\vdash$       | +        | ╀        | $\vdash$                | $\dashv$   | -        | 60<br>61  |                 | ╁          | H               | $\dashv$  | +         | ╁┤              | -         | -        | 110<br>111 | $\vdash$     | $\dashv$          | ╁            | Н         | Н            | $\dashv$  | +-      | ┪        |  |   |  |  |
|   |                 | 12       |          | Ĭ                |                | 士        | 士        |                         | $\exists$  |          | 62        | 士               | 上          |                 |           | 1         |                 | ゴ         |          | 112        |              |                   |              |           |              |           |         | 1        |  |   |  |  |
|   |                 | 13       | _        | /                | $\Box$         | $\perp$  | I        | $\Box$                  | _          | <u> </u> | 63        |                 | _          | $\sqcup$        | _         | -         | +               | 4         | <u> </u> | 113        | <del> </del> | +                 | +            | Н         | Н            | -         | +       | ┨        |  |   |  |  |
|   |                 | 14       | 7        | 十                | ╁              | -        | +        | Н                       | $\dashv$   |          | 64<br>65  | ┿               | ╁          | ┼┤              | -         | ┰         | +               | ᅱ         | -        | 114        | H            | $\dashv$          | +-           | $\vdash$  | Н            | $\dashv$  | ╁       | 1 .      |  |   |  |  |
|   |                 | 16       | 7        | 7                |                |          | 1        |                         | _          |          | 66        |                 |            | 口               |           | 士         |                 |           |          | 116        |              |                   | 工            |           |              |           |         | 1        |  |   |  |  |
|   |                 | 17       | -        |                  |                | _        | 1        |                         | _          |          | 67<br>68  | -               | ╁-         | $\dashv$        |           | -         | +               | 4         | <u> </u> | 117<br>118 | $\vdash$     | +                 | +-           | $\vdash$  | Н            |           | +       | ┨        |  |   |  |  |
|   | -               | 18       | _        | 7                | $\vdash$       | +        | ╁╌       | ╁─╁                     | $\dashv$   |          | 69        | +               | +          | +               | ┪         | $\dashv$  | $\dashv \dashv$ | $\dashv$  |          | 119        | $\vdash$     | 十                 | +            | 1         | Н            | $\exists$ | +       | 1        |  |   |  |  |
|   |                 | 20       |          | V                |                |          |          |                         |            |          | 70        |                 | I          |                 |           | $\Box$    |                 | $\Box$    |          | 120        | П            | $\Box$            |              |           |              | $\Box$    | $\Box$  | ]        |  |   |  |  |
|   | <u> </u>        | 21       | Щ        |                  | $\vdash$       | +        | -        | 1-1                     | -          | -        | 71<br>72  | -               | +-         | Н               | $\dashv$  | +         | +               | $\dashv$  | -        | 121<br>122 | $\vdash$     | +                 | +            | $\vdash$  | $\vdash$     | $\vdash$  | -       | -        |  |   |  |  |
|   | <u> </u>        | 22       | Н        |                  | ┼┼             | $\dashv$ | +        | H                       | -          | -        | 73        | $\dashv$        | ╅          | H               | $\dashv$  | $\dashv$  | $\dashv \dashv$ | $\dashv$  |          | 123        |              | 士                 |              | t         |              |           |         | _        |  |   |  |  |
|   |                 | 24       |          |                  |                | 工        |          |                         |            |          | 74        |                 | 工          | $\Box$          | $\Box$    | 7         | $\perp$         | $\exists$ |          | 124        |              | $\Box$            | $\bot$       |           | _            |           |         | ]        |  |   |  |  |
|   |                 | 25<br>26 | _        | -                | $\vdash\vdash$ | -        | +        | Н                       | _          | -        | 75<br>76  | -               | +-         | +               | $\dashv$  | +         | +               | $\dashv$  | -        | 125<br>126 | $\vdash$     | $\dashv$          | ┿            | ╁         | <del> </del> | $\dashv$  | +       | ┥        |  |   |  |  |
|   |                 | 27       |          | $\vdash$         | ╁┤             | +        | ╁╴       | Н                       | ┥.         | -        | 77        | +               | +-         | +               | $\dashv$  | $\dashv$  | +-              | $\dashv$  |          | 127        | Ħ            |                   | $\perp$      |           |              | $\Box$    |         | 1        |  |   |  |  |
|   |                 | 28       |          |                  |                |          |          |                         |            |          | 78        |                 |            |                 |           | $\Box$    |                 |           |          | 128        |              |                   | $\bot$       |           |              | $\Box$    | $\bot$  | ]        |  | ` |  |  |
|   | <u> </u>        | 29<br>30 | L        | -                | $\dashv$       | +        | ╀-       | $\vdash$                | _          | -        | 79<br>80  |                 | ╬          | $\vdash$        | -         |           | +               | $\dashv$  | -        | 129<br>130 |              | $\dashv$          | +            | ╁         |              | $\dashv$  |         | -{       |  |   |  |  |
|   | -               | 31       | H        |                  | ╁┼             | +        | ╁        | H                       | $\dashv$   | 1        | 81        | -               | +          | Н               | $\exists$ |           |                 | $\dashv$  |          | 131        |              |                   | $\top$       | $\Box$    |              |           |         | j        |  |   |  |  |
|   |                 | 32       |          |                  |                |          |          |                         | <b>□</b> . |          | 82        |                 | $\bot$     | П               |           |           |                 |           | i        | 132        |              |                   | _            |           |              |           |         | -        |  |   |  |  |
|   |                 | 33<br>34 | L        | ├-               | +              | -        | ┦        | $\vdash$                | $\dashv$   |          | 83<br>84  | -               | +-         | ╀╌              | $\dashv$  | -         | +               | $\dashv$  | -        | 133<br>134 |              |                   | +            | $\vdash$  | Н            | H         |         | ┨        |  |   |  |  |
|   |                 | 35       | -        |                  | ╫              | ╅        | ╁        | H                       | $\dashv$   |          | 85        |                 | ╅          | +               |           | $\dashv$  | +               | $\dashv$  |          | 135        |              |                   |              |           |              |           |         | <u> </u> |  |   |  |  |
|   |                 | 36       |          |                  | $\square$      | 1        | 工        | П                       |            |          | 86        |                 |            |                 |           | $\Box$    | $oxed{\Box}$    |           |          | 136        |              | $\Box$            | 1            | ļ         |              | Н         | $\perp$ | 4        |  |   |  |  |
|   | <u> </u>        | 37<br>38 | L        | -                | $\dashv$       | +        | ┼-       | Н                       | _          | <u> </u> | 87<br>88  | -               | +          | $\vdash$        | $\dashv$  | $\dashv$  | +               | $\dashv$  |          | 137<br>138 |              | -                 | +            | $\vdash$  | ⊢            | H         | +       | ┥        |  |   |  |  |
|   | $\vdash$        | 39       | ┝        | Н                | +              | ┰        | ╁        | Н                       | -          | -        | 89        | +               | 十          | +               | Н         | $\dashv$  | +               |           |          | 139        |              |                   | $\top$       |           |              |           | 土       | _        |  |   |  |  |
|   |                 | 40       |          |                  |                |          | 工        | П                       |            |          | 90        |                 | 工          |                 |           |           |                 |           |          | 140        |              |                   | 1            | _         |              | П         |         | 4        |  |   |  |  |
|   | <u> </u>        | 41       | <u> </u> | <del>-  </del> - | ++             | +        | +        | +                       |            | -        | 91<br>92  | +               | +          | +               | -         | -         | +               | Н         | -        | 141        |              | +                 | ╬            | ╁╌        | -            | ╌         |         | -        |  |   |  |  |
|   |                 | 43       | $\vdash$ | -                | $\Box$         | 十        | ╁        | +                       | $\dashv$   | -        | 93        | $\vdash$        | +          | +               |           |           | +               |           |          | 143        |              |                   |              |           |              |           | 土       | ]        |  |   |  |  |
|   |                 | 44       |          |                  | $\Box$         | 丰        | $\top$   | П                       |            |          | 94        |                 | 1          | $\Box$          |           | $\Box$    | $\top$          |           |          | 144        |              | $\Box$            | $\perp$      | $\perp$   |              | П         | $\perp$ | -        |  |   |  |  |
|   | _               | 45<br>46 | _        | $\vdash \vdash$  | +              | +        | +-       | $\vdash$                | $\dashv$   |          | 95<br>96  | +               | +          | +               | Н         | $\dashv$  | +               | H         | -        | 145        |              | $\vdash$          | +            | +         | +            | H         | -+-     | -        |  |   |  |  |
|   | -               | 47       |          |                  | +              | _        | $\pm$    | H                       |            |          | 97        |                 | 士          | $\perp$         |           | $\Box$    | 士               |           |          | 147        |              |                   | 工            |           |              | 口         | 土       | ]        |  |   |  |  |
|   |                 | 48       | Г        |                  | $\Box$         | $\perp$  | $\perp$  | П                       |            |          | 98        | $\perp$         | $\bot$     | $\perp$         | Ц         | П         | +               | Ц         |          | 148<br>149 |              | $\vdash$          | 4            | +         | $\vdash$     | $\sqcup$  | +       | -        |  |   |  |  |
|   | $\vdash$        | 49<br>50 | $\vdash$ | +                | H              | +        | +        | H                       | H          | -        | 99<br>100 | $\vdash \vdash$ | +          | +               | H         | $\forall$ | +               | H         | -        | 150        |              | $\vdash \uparrow$ | _            | $\dagger$ | $\vdash$     | ┟┤        | 士       | _        |  |   |  |  |
|   |                 |          |          |                  |                |          |          |                         |            |          |           |                 |            |                 | _         |           |                 |           |          |            | _            |                   |              |           | _            | _         |         |          |  |   |  |  |